

POSIDON - WB-57 #927 10/12/16 Science Report

Aircraft:

[WB-57 #927](#) (See full schedule)

Date:

Wednesday, October 12, 2016

Mission:

POSIDON

Mission Location:

Guam

Mission Summary:

This flight satisfied a number of POSIDON objectives, including sampling clouds and gases in a decaying convective system, a deep profile coincident with an ozone/H²O sonde launched at Palau, sampling TTL cirrus, and measurement of dehydration near the tropopause along streamlines. See attached pdf for the full Science Report.

Submitted by:

Susan Kimi McFadden on 10/18/16

File:

 [POSIDON_RF01_report.pdf](#)

Related Flight Report:

WB-57 #927 10/12/16

Flight Number:

7

Payload Configuration:

POSIDON

Nav Data Collected:

No

Total Flight Time:

5.7 hours

Submitted by:

Debra Willett on 10/13/16

Flight Segments:

From:	PGUM	To:	PGUM
Start:	10/12/16 11:23 Z	Finish:	10/12/16 17:05 Z
Flight Time:	5.7 hours		
Log Number:	17W003	PI:	Eric Jensen
Funding Source:	Ken Jucks - NASA - SMD - ESD Upper Atmosphere Research Program		
Purpose of Flight:	Science		
Comments:	Payloads: MMS, DLH, SID3, CPI, 2DS, SO2, H2O, POPS, WAS, PANTHER AND 03 LITE. SATCOM type was INMARSAT. High flight. To Palau and back to Guam with vertical passes.		

Flight Hour Summary:

	16W007	17W003
Flight Hours Approved in SOFRS	58	42
Flight Hours Previously Approved		50.5
Total Used	7.5	90.3
Total Remaining		2.2

17W003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
10/01/16	3	Ferry	4.4	4.4	88.1
10/02/16	4	Ferry	5.7	10.1	82.4

10/03/16	5	Ferry	5.9	16	76.5
10/09/16	6	Ferry	4.2	20.2	72.3
10/12/16	7	Science	5.7	25.9	66.6
10/14/16	8	Science	5.3	31.2	61.3
10/15/16	9	Science	4.8	36	56.5
10/18/16	10	Science	5.7	41.7	50.8
10/19/16	11	Science	5.7	47.4	45.1
10/21/16	12	Science	5.6	53	39.5
10/24/16	13	Check	1.3	54.3	38.2
10/25/16	14	Science	4.5	58.8	33.7
10/26/16	15	Science	5.5	64.3	28.2
10/28/16	16	Science	5.4	69.7	22.8
10/31/16	17	Ferry	5.2	74.9	17.6
11/01/16	18	Ferry	5.9	80.8	11.7
11/02/16	19	Ferry	5.6	86.4	6.1
11/03/16	20	Ferry	3.9	90.3	2.2

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Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

16W007 Flight Reports					
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
09/13/16	1	Science	2.1	2.1	55.9
09/15/16	2	Science	5.4	7.5	50.5